Climatological Data for March, 1910.

DISTRICT No. 8, TEXAS AND RIO GRANDE VALLEY.

BERNARD BUNNEMEYER, District Editor.

GENERAL SUMMARY.

The month was characterized throughout the district by remarkably warm weather, generally deficient precipitation, and a large number of pleasant, sunshiny days. It was the warmest March on record in Colorado and New Mexico, while in Texas there were but 2 years since 1891 in which March was warmer. Precipitation was mostly local in character and occurred during the second decade and during the latter half of the third decade. The monthly amounts were less than the normal in the greater portion of the district. A nominal excess occurred in a few localities in Colorado and New Mexico, and a conspicuous excess in many of the west-central, southwestern, and southern counties of Texas, due to unusually heavy rains on the last 2 days of the month. The greatest monthly amount in Texas was 6.17 inches at Kerrville, and the next greatest, 5.68 inches at Fredericksburg. In Colorado and New Mexico the greatest monthly amounts were 1.31 and 1.22 inch, respectively. There was practically no precipitation at 13 stations in New Mexico and 3 in Texas, while at 13 other stations in New Mexico and 1 in Texas the monthly amounts did not exceed 0.10 inch.

Excessive precipitation of 2.50 inches or more in 24 consecutive hours occurred at the following Texas stations: Alvin, 2.57; Beeville, 4.10; Boerne, 2.80; Fairland, 4.58; Fort Clark, 3.00; Fredericksburg, 4.02; Kerrville, 6.05; Lampasas, 3.73; and Marble Falls, 3.74 inches. The heaviest monthly snowfall was 17 inches in Colorado and 18 inches in New Mexico. There was no snow in Texas, except traces in a few western localities. The number of days with 0.01 inch or more precipitation averaged only 2 in New Mexico and 3 in Colorado and Texas.

The wind movement was comparatively light, although high winds occurred on several days, especially from the 25th to the 29th, and during this period sandstorms were numerous in New Mexico and in western Texas. At El Paso the wind attained a velocity of 57 miles per hour from the west on the 28th.

TEMPERATURE.

The mean temperature was above the normal throughout the district, the daily excess ranging from about 3° on the Gulf coast to over 7° in northern Texas and in Colorado. There was very little change in temperature from day to day, although a cool period occurred from the 9th to the 13th, and in the northern portion of the district also from the 29th to the 31st. The extreme temperatures reported were: In Colorado, 72° at Saguache on the 5th and other dates, and −1° at Wagon Wheel Gap on the 11th; in New Mexico, 93° at Carlsbad on the 6th, and zero at Hopewell on the 30th; and in Texas, 97° at Barstow on the 23d and other dates, and 24° at Claytonville on the 2d and at Mount Blanco on the 11th. The local monthly means ranged from 31.0° to 45.3° in Colorado; from 31.6° to 61.3° in New Mexico; and from 55.9° to 72.5° in Texas.

PRECIPITATION.

The precipitation over the greater stretch of the Rio Grande watershed was deficient. A slight excess occurred over the extreme upper portion and at a few widely separated localities in New Mexico; and a marked excess over a short stretch from Del Rio to Fort McIntosh, Tex. The deficiency in Colorado averaged 0.12 inch, and in New Mexico, 0.34 inch. In Texas the precipitation was deficient over the greater portion of the watershed, but the average exceeded the normal by 0.36 inch, due to heavy rains just south of Del Rio. The snowfall in the mountains and upper valleys reached a maximum depth of 17 inches at Cumbres, Col., and of 18 inches at Red River Canyon, N. Mex. There was no snow south of Cloudcroft.

There was a general deficiency of precipitation over the Rio Pecos watershed, which averaged 0.39 inch in New Mexico and 0.48 inch in Texas. The snowfall was light, although at Harveys Upper Ranch it attained a depth of 15.5 inches. In both the Rio Pecos and Rio Grande watersheds a large number of stations had practically no precipitation.

In the Texas watersheds, the precipitation exceeded the normal from the Nueces to the Colorado, but was decidedly deficient from the Brazos to the Sabine, and in the coastal plains.

In general, the area of greatest precipitation extended over the upper portions of the Nueces, San Antonio, and Guadalupe, and over the middle portions of the Colorado and Brazos, the amounts ranging from 3 to over 4 inches. Less than 1 inch occurred over the upper portions of the Colorado, Brazos, and Trinity. The following are the average monthly amounts in inches for the various watersheds: Nueces, 1.06; San Antonio, 2.27; Guadalupe, 1.90; Lavaca, 1.76; Colorado, 2.23; Brazos, 1.66; Trinity, 1.28; Neches, 1.47; Sabine, 1.96; and coastal plains, 1.58 inch.

RIVER CONDITIONS.

Most of the rivers of the district maintained an even flow, but carried slightly smaller volumes of water than during the preceding month. The Sabine, which was rising at the close of February, attained a maximum stage of 18.5 feet at Logansport, and in consequence, its average depth was nearly 2 feet greater than during the preceding month. The Rio Grande rose 2.5 feet at Eagle Pass on the last day of the month. It was abnormally low at Zapata, except during a few days following the rains of the 19th, when it was about normal. At Llano Grande, farther below, there was a rise of 6 feet from the 20th to the 25th. The water was ample for irrigation and for stock. Sharp rises occurred on the last day of the month in the extreme upper Guadalupe and Nueces rivers. The Medina, which empties into the San Antonio, rose 15 feet and washed away some engines and machinery used in building a bridge. The damage was about $1,000.

The following has been taken from the Reclamation Record for April, 1910:

New Mexico, Hondo Project.—During March there has been no water in the river and none available for irrigation.

New Mexico, Leasburg Project.—During March about 275 second-feet of water have been diverted through the canal and delivered to the community ditches for irrigation purposes. The discharge of the river has been somewhat above normal during the entire month, giving plenty of water for all purposes.

SNOWFALL IN THE MOUNTAINS.

Mr. F. H. Brandenburg, Section Director, Colorado Section, reports:

The amount of snow in the mountains at the close of March was much less than the normal on all watersheds. In the mountains, in common with the plains region, the weather conditions during last month differed greatly from those that are usual in March. There were few storms, with a corresponding light snowfall. Bright sunshine and unusual warmth during the greater part of the month melted the snow covering of the higher valleys and unprotected slopes. The attending run-off, much of which was not utilized, would, under normal temperature conditions, have been delayed until April and May. However, melting has not yet begun at the very high altitudes, and only in a moderate degree in the timber and on northern slopes.

Mr. C. E. Linney, Section Director, New Mexico Section, reports:

March was unusually warm and the snowfall was light; it was confined almost entirely to the higher mountains of the northern half of the Territory. The snow melted rapidly during the month and the streams carried an increased volume of water until toward the close when a cold period checked the melting.

In the higher altitude of the Rio Grande drainage area there is an abundance of well-packed snow; in some places it is in drifts 10 feet or more in depth, and in many places it is frozen and almost solid ice and consequently will melt slowly. There will be sufficient water for irrigation in the Rio Grande Valley during the coming season.

In the upper Pecos there is enough stored snow in the canyons of the higher mountains to assure a fair water supply for the districts depending upon water from the mountains within the Pecos National Forest Reserve.

MISCELLANEOUS.

Severe wind and sandstorms on the 28th caused considerable damage to vegetation in New Mexico. In many localities fences and signs were blown down, leaves badly whipped, awnings and windows damaged, and the interior of dwellings covered with a thick layer of dust.

Experiments have been made in the vicinity of Socorro, N. Mex., with irrigation by means of windmills and electric pumping stations, and the results have been so satisfactory that an extension of the system is contemplated.

A company known as "The Pecos Development Company" has been incorporated with headquarters at Estancia, N. Mex. This company intends to develop the Estancia Valley which contains more than 200,000 acres that can be irrigated by wells. The plan is to contract with farmers for drilling wells and installing pump motors.

The city of Austin, Tex., is taking steps to rebuild the dam across the Colorado River. The proposition of rebuilding was favored by an overwhelming vote recently taken in that city. The old dam, part of which is still standing, was broken by a flood on April 7, 1900. It was 1,250 feet long and 60 feet high and cost about $1,000,000.

The Calallen Riverside Irrigation Association contemplates the creation of an irrigation district west of Sharpsburg on the Nueces River, and it has received its charter from the State of Texas.

IRRIGATION IN TEXAS.

Under the law of April 29, 1909, enacted by the 31st Legislature of the State of Texas, it became the duty of the commissioner of agriculture of the State to inquire into the system of irrigation now in operation in the State and to submit an annual report on the subject with such recommendations as he may deem beneficial to the industry. The law was given in full in the report of the 8th Climatological District for October, 1909. Under its requirements the commissioner of agriculture has compiled a list of canal companies, as complete as practicable, from records of charters in the office of the Secretary of State at Austin, by means of correspondence and otherwise, together with much other valuable information relating to the subject.

Through the courtesy of the Commissioner of Agriculture, of Texas, this office has been furnished a record of 86 different canal companies, their location, names of principal officers, authorized capitalization, mileage of water service, acreage watered, rates charged, patrons served, etc., and we are indebted to his office for the information hereinafter given:

Adams Bayou Canal Company, Orange.—Location, Orange County, near Orange post-office; aggregate acres served, 4,000; additional acreage that could be served by contemplated equipment, 2,500.

American Rio Grande Land and Irrigation Company, Mercedes.—Location, Hidalgo County, near Mercedes; aggregate acres served, 20,000; additional acreage that could be served by present equipment, 80,000. Laterals are being extended to water 15,000 more acres.

Arno Cooperative Irrigation Company, Arno.—Location, Reeves County, near Arno post-office; aggregate acres served, 15,000; additional acreage that could be served by contemplated equipment, 3,500.

Barstow Irrigation Company, Barstow, Ward County.

Beaumont Irrigation Company, Beaumont, Jefferson County.

Beaumont Rice and Canal Company, Beaumont.—Location, Jefferson County, near Beaumont; aggregate acres served, 930; additional acreage that could be supplied by present equipment, about 300; contemplated improvements would enable the company to sell water for about 2,000 acres and water 1,000 more of its own.

Big Valley Canal and Irrigation Company, Big Valley, Mills County.

Big Valley Irrigation Company, Barstow, Ward County.

Brownsville Irrigation Company, Brownsville.—Location, Cameron County, near Brownsville and Olmito post-offices; aggregate acres served, 6,000; additional acreage that could be supplied by present equipment, 6,000; additional acreage that could be supplied by contemplated equipment, 40,000.

Cane and Rice Belt Irrigation Company, Houston.—Location, Fort Bend and Harris counties, near Fulshear, Gaston, and Clodine post-offices; aggregate acres served in 1909, 11,750; additional acreage that could be supplied by present equipment, about 8,000.

Central Irrigation Company, Bay City, Matagorda County.

Collegeport Canal Company, Collegeport.

Colorado Canal Company, Bay City, Matagorda County.

Comanche Irrigation Ditch Company, Batesville.—Location, Zavalla County, near Batesville post-office; aggregate acres served, 500; additional acreage that could be supplied by present equipment, 200; additional acreage that could be served by contemplated equipment, 700.

Cove Irrigation Company, El Campo, Wharton County.

Cooperative Canal Company, Blessing.—Location, Matagorda County, near Blessing post-office; aggregate acres served, 4,000; additional acreage that could be supplied by present equipment, 6,000; additional acreage that could be supplied by contemplated equipment, 12,000.

Cow Bayou Canal Company, Orange, Orange County.

Del Monte Irrigation Company, Mission.—Location, Hidalgo County, near Mission and Abram postoffices; aggregate acres served, 1,500; additional acreage that could be supplied by present equipment, 2,500; additional acreage that could be served by contemplated equipment, 2,500.

Eagle Lake Rice Irrigation Company.

Farmers' Canal Company, Stowell, Chambers County.

Fort Stockton Irrigated Lands Company, Fort Stockton, Tex., and Kansas City, Mo.—Location, Pecos County, near Fort Stockton post-office; aggregate acres served, 30,000; additional acreage that could be supplied by present equipment, 15,000. The noted Comanche Springs, at Fort Stockton, in Pecos County, Texas, have been a prominent feature in the frontier life of western Texas for more than 50 years. They break out in the midst of a fertile plain and afford more than 80 cubic feet of water per second of time. An army post was located at these springs before the Civil War, yet it was not until after that war and about the year 1870 that this water was used for irrigation. It was then utilized almost solely for the purpose of irrigating land used in supplying Fort Stockton and other army posts with corn, oats, and other food for consumption of horses and men. The surrounding country was uninhabited. It was not until about 1877 that the first herd of cattle was established near the fort. In 1881 the two transcontinental railroads—the Texas Pacific and the Southern Pacific—were built through western Texas; but the one was carried 52 miles north and the other 60 miles south of Fort Stockton, so that neither road gave the place the advantage of direct communication with the outside world. Slowly, however, the gradual settlement of the country radiated out of these roads, and by 1886 the Stockton country became fairly well stocked with cattle. In that year the fort was abandoned as a military post, and farming by irrigation from that time onward became dependent upon the needs of the cattlemen alone for its success, and their needs were slight. The springs and the land were owned by a large cattle company and for many years irrigation

was carried on in a perfunctory sort of way on leases from the cattle company But it was carried on, nevertheless, and has remained in constant exercise from its inception in 1870 to the present time. About the year 1907 the country about Fort Stockton began to settle up under the stimulus of the demand for school lands. The Orient Railway was planned to be built through the town. The demand for lands was becoming greater and the development of the country began by the setting on foot of various irrigation enterprises on the Pecos River and other places in the vicinity. In 1909 the Fort Stockton Irrigated Lands Company was organized and bought up some 52,000 acres of land lying within the reach of the springs and at the same time bought out all the rights to the use of the water. The land is now subdivided into 10-acre tracts and is rapidly being settled by homeseekers. The water is especially valuable for irrigation, as it comes out of the ground warm and consequently will not retard the growth of crops like cold water. A record for more than 50 years shows that the flow of these springs is constant. It is known with accuracy just how much water can be delivered to each tract every year, and the source of water does not appear to depend on rain or melting snow in the mountains.

Gravity Irrigation Company, San Juan.—Location, near Rio Grande City, Garcias, Sam Fordyce, Mission, McAllen, San Juan, and Donna post-offices; aggregate acres served, about 250,000; additional acreage that could be supplied by present equipment, 100,000 when fully equipped.

(To be continued.)

TABLE 1.—*Climatological data for March, 1910. District No. 8, Texas and Rio Grande Valley.*

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				Number of rainy days, .01 inch or more.	Sky.			Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.		Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Colorado.																				
Blanca	Costilla	8,403	1	38.6	.....	66	6†	9	30	49	0.68	.....	0.55	6.3	4	24	7	0	sw.	L. C. Audrain.
Cumbres	Conejos	10,015	3								1.31	.....	0.98	17.0	2	23	3	5	sw.	Ida M. Lively.
Garnett	Costilla	7,576	17	40.0	+ 7.8	66	5†	15	31	45	0.27	+ 0.02	0.21	4.0	2	24	3	4	w.	Chas. Speiser.
Hermit	Hinsdale	9,343	..								0.93	.....	0.41	11.4	5	20	7	4	.....	Marion Mason.
La Veta Pass	Costilla	9,000	....								1.25	.....	0.80	9.2	2	18	9	4	w.	Norvin R. Lively.
Manassa	Conejos	7,700	4	39.4[a]	.....	66[a]	20	6[a]	29	53[a]	T.	.....	T.	T.	0	12[a]	17[a]	1[a]	sw.	J. B. Chapman.
Platoro	...do	9,675	2								0.72	.....	0.29	10.6	7	22	5	4	sw.	Walter R. Hook.
Saguache	Saguache	7,740	18	45.3	+11.2	72	5†	14	31	50	0.42	+ 0.23	0.42	4.2	1	20	5	6	w.	Eugene Williams.
San Luis	Costilla	7,794	19	41.3	+ 7.1	68	21	11	30	46	0.82	+ 0.08	0.77	8.2	2	21	8	2	sw.	P. B. Albright.
Wagon Wheel Gap	Mineral	8,434	11	31.0	+ 4.6	65	18	− 1	11	58	0.50	− 0.81	0.30	7.0	4	24	3	4	n.	Ellwood Bergey.
New Mexico.																				
Agricultural College	Dona Ana	3,863	44	58.2	+ 4.7	85	6†	32	2†	47	0.33	+ 0.05	0.33	0.0	1	20	11	0	sw.	New Mexico Agri. College.
Alamogordo (near)	Otero	4,338	9	58.0	.....	84	23†	31	12	40	0.20	.....	0.20	0.0	1	18	10	3	sw.	Geo. C. Bemis.
Alamogordo	...do	4,320	....								0.15	.....	0.15	0.0	1				.....	El Paso & Southwest. R. R.
Albuquerque	Bernalillo	5,200	34	54.6	+ 7.2	80	19	28	11	43	0.30	+ 0.09	0.23	0.0	3	18	12	1	s.	University of New Mexico.
Ancho	Lincoln	6,112	....								T.	.....	T.	T.	0	19	3	9	.....	El Paso & Southwest. R. R.
Artesia	Eddy	3,350	....	59.0	.....	91	25	30	12	52	0.01	.....	0.01	0.0	1	17	7	7	se.	Will Benson.
Aspen Grove Ranch	Rio Arriba	9,000	....								0.93	.....	0.25	10.7	6	19	7	5	.....	Junius D. Maupin.
Bateman's Ranch	...do	8,900	....								0.63	.....	0.40	6.5	3	21	5	5	w.	John W. Bateman.
Bluewater	Valencia	6,732	8	43.6	.....	76	4	15	31	56	T.	− 0.72	T.	T.	0	12	13	6	s.	Bluewater Development Co.
Bluewater Reservoir	...do	9,000	1																	Do.
Boaz	Chaves	4,154	1	53.6	.....	84	23	22	12	52	0.06	.....	0.06	0.0	1	23	7	1	w.	D. C. Savage.
Capitan	Lincoln	6,348	....								0.10	.....	0.10	1.0	2	23	3	5	s.	El Paso & Southwest. R. R.
Carlsbad	Eddy	3,120	15	61.3	+ 4.4	93	6	32	2	57	0.04	− 0.38	0.02	0.0	2	22	6	3	se.	U. S. Reclamation Service.
Carrizozo	Lincoln	5,429	2								0.00	.....	0.00	0.0	0	31	0	0	sw.	A. H. Harvey.
Chama	Rio Arriba	7,851	11	38.7	+ 4.6	68	21	8	30	40	1.22	− 1.34	0.84	16.5	4	26	1	4	sw.	Frank C. Johnson.
Cloudcroft	Otero	8,650	7	47.8	.....	70	12†	20	28	42	0.30	.....	0.23	3.5	2	15	13	3	w.	El Paso & Southwest. R. R.
Corona	Lincoln	6,666	....								0.35	.....	0.35	2.0	1	19	5	7	n.	Do.
Coyote	...do	5,800	....								0.20	.....	0.20	0.0	1	16	2	13	sw.	Do.
Cundiyo	Santa Fe	6,889	1								0.32	.....	0.25	0.0	3	17	7	7	w.	Teofilo Vijil.
Demonstration Farm	San Miguel	6,800	1								0.46	.....	0.31		2				.....	Erb & Westerman.
Duran	Torrance	6,272	1								T.	.....	T.	0.0	0	25	0	6	.....	W. H. Birkhead.
Edison Mine	Taos	10,600	....																	Frank L. Paxton.
Elida	Roosevelt	4,345	....								0.01	.....	0.01	0.0	1	16	12	3	s.	M. W. Waldron.
Elk (near)	Chaves		11	53.1	+ 4.0	85	6	26	12†	47	T.	− 0.45	T.	T.	0	20	9	2	sw.	Boyd Williams.
Escondido	Otero	4,014	....								0.80	.....	0.80	0.0	1	14	11	6	w.	El Paso & Southwest. R. R.
Espanola	Rio Arriba	5,590	12	46.6[i]	+ 3.2	72[i]	24	16[i]	30	46[i]									sw.	Mrs. E. F. McBride.
Estancia	Torrance	6,140	5	47.4	.....	77	5	18	11†	55	0.14	.....	0.14	1.5	1	17	11	3	e.	New Mex. Central R. R.
Fort Stanton	Lincoln	6,231	32	48.6[a]	+ 4.6	78	4†	21[b]	31	53[b]	0.35	− 0.46	0.20	4.0	2	19	6	6	sw.	U. S. Sanitarium.
Fort Sumner	Guadalupe	3,960	7	54.6	.....	87	26	24	11	57	0.33	.....	0.33	0.0	1	31	0	0	w.	F. A. Manzanares.
Gallinas	Lincoln	6,635	....								0.30	.....	0.30	3.0	1	30	0	1	w.	El Paso & Southwest. R. R.
Gallinas Planting Station	San Miguel	7,500	3	44.8[a]	.....	72[a]	5	18[a]	30	53[a]	0.65	.....	0.41	1.6	3	13	15	3	ne.	U. S. Forest Service.
Harvey's Upper Ranch	...do	9,400	1								1.18	.....	0.57	15.5	5	12	14	5	se.	Simon B. Warner.
Hillsboro	Sierra	5,224	13	56.0[f]	.....	83[f]	6	30	12†	47[f]	T.	.....	T.	0.0	0	9	10	12	w.	Dr. Frank I. Givens.
Hodges	Taos	8,484	....								0.60	.....	0.40	6.6	5	15	8	8	nw.	Jas. D. Bird.
Hondo Reservoir	Chaves	3,904	1	56.6	.....	90	25	28	12	53	0.26	.....	0.26	0.0	1	22	5	4	se.	U. S. Reclamation Service.
Hope	Eddy		3																	C. M. Bott.
Hopewell	Rio Arriba	9,500	....	31.6	.....	54	19†	0	30	39	1.16	.....	0.63	10.2	5	10	15	6	w.	John T. Blanton.
Jemez Springs	Sandoval	6,100	....																	Linus L. Shields.
Laguna	Valencia	5,840	5	50.1	.....	77	5†	24	13†	48	0.09	.....	0.09	1.0	1	19	5	7	w.	Gus Weiss.
Lagunita	Guadalupe	4,500	5	53.2	.....	81	5†	22	11	56	0.31	.....	0.31	0.0	2	11	9	11	w.	P. A. Turnbull.
Lake Valley	Sierra	5,413	5								0.01	.....	0.01	T.	1	8	23	0	sw.	Wm. P. Keil.
Las Vegas	San Miguel	6,384	23	47.1	+ 5.8	78	5	5	30	53	0.61	+ 0.01	0.32	3.2	4	21	7	3	s.	Dr. Wm. Curtiss Bailey.
Liston	Chaves	....	....								0.20	.....	0.20	0.0	2	17	14	0	sw.	H. G. Liston.
Los Lunas (near)	Valencia	4,900	20																.....	Richard Pohl.
Los Tanos	Guadalupe	4,919	....								0.25	.....	0.25	0.0	2	21	9	1	w.	El Paso & Southwest. R. R.
Magdalena	Socorro	6,557	5	47.5	.....	79	6	16	28	51	0.14	.....	0.09	1.5	2	18	11	2	w.	Wm. Pender.
Malaga	Eddy	3,000	....																.....	Capt. Chas. Grapes.
Mineral Hill	San Miguel	7,050	5								0.23	.....	0.20	0.5	2	3	21	7	sw.	W. M. Nelson.
Monterey	Otero	4,436	....								0.40	.....	0.40	0.0	1	15	14	2	sw.	El Paso & Southwest. R. R.
Monument	Eddy	3,500	4																	Jas. M. Cook.
Mountainair	Torrance	6,547	8	49.0	.....	77	25	21	31	45	0.27	.....	0.21	0.0	3	25	6	0	sw.	Mrs. John W. Corbett.
Newman	Otero	3,989	....			89	5	35	13	....	T.	.....	T.	0.0	0	21	8	2	s.	El Paso & Southwest. R. R.
Noria	Dona Ana	4,114	....								T.	.....	T.	0.0	0	24	6	1	e.	Do.
Orange	Otero		....	59.3[f]	.....	91[f]	25	26[f]	29	50[f]	0.00	.....	0.00	0.0	0				.....	Jas. Brownfield, jr.
Orogrande	...do	4,171	....			92	25			....	0.01	.....	0.01	0.0	1	18	10	3	w.	El Paso & Southwest. R. R.
Oscura (near)	Lincoln	5,016	1								T.	.....	T.	0.0	0	14	14	3	s.	Eugene F. Jones.
Otis	Eddy	3,100	1								0.24	.....	0.16	0.0	3	23	5	3	se.	A. M. Hove.
Otto	Santa Fe	6,200	1								0.38	.....	0.28	1.5	2				.....	W. K. Davis.
Pastura	Guadalupe	5,285	....								0.25	.....	0.25	1.0	1	5	22	4	nw.	El Paso & Southwest. R. R.
Picacho (near)	Lincoln	....	....																	P. D. Southworth.
Red River Canyon	Taos	8,050	2	36.2	.....	60	21†	2	30	49	1.12	.....	0.50	18.0	4	26	3	2	e.	Mrs. L. R. Penn.
Rincon	Dona Ana	4,030	12	58.3	+ 4.7	88	6	28	2†	58	T.	− 0.10	T.	0.0	0	15	6	10	s.	Chas. H. Raitt.
Rio Grande Dam	Sierra	4,265	12	57.2	+ 4.5	86	6	31	12	52	0.15	− 0.18	0.15	0.0	1	18	8	5	sw.	U. S. Reclamation Service.
Rosedale	Socorro	6,910	5	48.8		72	5†	23	31	38	0.49		0.34	4.9	6	19	3	9	w.	W. H. Martin.
Roswell	Chaves	3,578	12	57.2	+ 5.9	89	25	28	12	53	0.05	− 0.41	0.05	0.0	1	15	12	4	s.	U. S. Weather Bureau.
San Marcial	Socorro	4,439	14	56.7	+ 4.5	82	25†	29	2	49	0.01	− 0.24	0.01	0.0	1	10	16	5	s.	Atch., Topeka & S. F. R. R.
San Rafael	Valencia	6,509	6																.....	Dr. Chas. M. Grover.
Santa Fe	Santa Fe	7,013	37	45.8	+ 6.4	69	5	20	31	35	0.55	− 0.18	0.53	T.	3	23	6	2	ne.	U. S. Weather Bureau.
Santa Fe Canyon	...do	8,000	....								0.00	.....	0.00	0.0	0	19	0	12	e.	Candelario Martinez.
Santa Rosa	Guadalupe	4,624	10	54.2[b]	.....	83[d]	5	24	11	51[d]	0.27	− 0.34	0.24	0.0	2	23	8	0	w.	John L. Chapman.
Socorro	Socorro	4,600	19	54.4[a]	+ 5.1	90[b]	20	28	12	55	0.05	− 0.39	0.05	0.0	1	29	2	0	n.	J. J. Leeson.
Stanley	Santa Fe	6,317	1	47.1	.....	75	5	14	31	50	0.38	.....	0.25	2.3	2	20	7	4	se.	Wilbur F. Castle.
Strauss	Dona Ana	4,080	11								0.31	− 0.13	0.26	0.0	2	22	8	1	sw.	Southern Pacific Co.
Swastika Ranch	Valencia	6,400	....					30	29	....	0.48	.....	0.31	3.5	4	18	10	3	sw.	Swastika S. & L. Co.
Taft	Guadalupe	....	....								0.18	.....	0.18	0.0	1	17	12	2	sw.	A. J. Wilmeth.
Taos	Taos	6,983	12	45.8	+ 5.1	70	19†	19	30	40	0.27	− 0.57	0.15	T.	3	22	8	1	sw.	Alexander Gusdorf.
Taos Canyon	...do	8,959	....								0.79	.....	0.32	5.8	5				.....	Leocadio Martinez, jr.
Tecolote	Lincoln	6,539	....								0.42	.....	0.33	2.5	2	26	5	0	w.	El Paso & Southwest. R. R.
Three Rivers	Otero	4,559	....								0.09	.....	0.09	0.0	1	21	1	9	.....	Do.
Torrance	Torrance	6,433	....								0.10	.....	0.10	1.0	1	17	6	8	w.	Do.
Tres Piedras	Taos	8,076	5	41.4	.....	65	20†	13	30	41	0.70	.....	0.50	3.0	3	25	4	2	sw.	Edwin B. Seward.
Truchas	Rio Arriba	7,935	1	39.4	.....	66	5	6	29	50	0.50	.....	0.40	2.0	2	4	24	3	.....	Ignacio Cordova.
Tularosa	Otero	4,436	2	57.7	.....	84	6†	30	13†	42	0.31	.....	0.31	0.0	1	14	15	2	sw.	Irby L. Fairless.
Vaughn	Guadalupe	5,952	....								0.00	.....	0.00	0.0	0				.....	El Paso & Southwest. R. R.
Winsors	San Miguel	8,200	12	38.6	+ 4.8	63	23†	6	31	41	0.59	− 0.68	0.40	.....	2	15	7	9	w.	Henry D. Winsor.

TABLE 1.—*Climatological data for March, 1910. District No. 8*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				Number of rainy days, .01 inch or more.	Sky.			Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.		Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Texas.																				
Abilene	Taylor	1,738	25	63.6	+ 8.7	90	8	33	11	42	0.31	− 1.07	0.17	0.0	3	15.	7	9	s.	U. S. Weather Bureau.
Albany	Shackelford	1,429	16	63.1	+10.2	92	8	26	11	50	0.53	− 1.07	0.53	0.0	1	20	3	8	.....	N. L. Bartholomew.
Alvin	Brazoria	49	11	.....	.....	.....	.....	.....	.....	.....	2.59	− 0.80	2.57	0.0	2	18	10	3	e.	F. A. Smith.
Anahuac§	Chambers	23	1	.....	.....	.....	.....	.....	.....	.....	1.16	.....	1.12	0.0	2	.....	.....	.....	.....	B. H. Collins.
Austin	Travis	593	24	65.6	+ 4.4	84	22	41	11	33	2.96	+ 0.55	2.32	0.0	5	20	5	6	se.	A. Deussen.
Ballinger	Runnels	1,637	15	62.4	+ 4.8	93	8	29	11	57	0.26	− 0.68	0.26	0.0	1	17	5	9	s.	E. M. Eubank.
Barstow	Ward	2,573	3	64.8[h]	.....	97[h]	23†	32[h]	3	59[h]	0.20	.....	0.20	T.	1	28	0	3	se.	W. H. Denis.
Bay City	Matagorda	53	.....	.....	.....	.....	.....	.....	.....	.....	0.88	.....	0.88	0.0	1	22[f]	0[f]	3[f]	s.	E. C. Quereau.
Beaumont	Jefferson	29	13	68.0	.....	90	22	45	11†	34	1.59	− 1.31	0.70	0.0	4	20	0	11	ne.	John Bender.
Beeville	Bee	225	14	68.2	+ 5.1	88	1	42	3	40	4.10	+ 1.99	4.10	0.0	1	14	12	5	se.	L. E .Dickey.
Big Springs	Howard	2,396	12	62.9	.....	92	24	31	11	50	0.28	− 0.59	0.28	0.0	1	17	8	6	s.	B. Reagan.
Blanco	Blanco	1,350	14	62.1	+ 2.9	82	26	36	2	40	1.20	− 0.55	0.91	0.0	4	19	10	2	s.	R. C. Crist.
Boerne	Kendall	1,412	18	67.7	+ 8.5	88	22	40	10	41	3.70	+ 1.95	2.80	0.0	3	13	9	9	s.	F. W. Schweppe.
Booth	Fort Bend	81	9	.....	.....	.....	.....	.....	.....	.....	1.73	.....	0.85	0.0	4	21	0	10	se.	T. R. Booth.
Bowie	Montague	1,113	16	64.4	+ 8.7	91	22	30	11	44	0.16	− 1.71	0.08	0.0	3	20	8	3	s.	Craig Anderson.
Brazoria	Brazoria	25	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. M. A. Stevens.
Brazos	Palo Pinto	801	1	.....	.....	.....	.....	.....	.....	.....	0.58	.....	0.45	0.0	2	21	1	9	sw.	Robt. E. Boyett.
Brenham	Washington	350	21	66.8	+ 3.9	89	22	42	1	39	0.70	− 2.34	0.36	0.0	5	13	4	14	s.	Mrs. B. F. Sloan.
Bridgeport	Wise	754	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Wm. M. Wilkinson.
Brighton	Nueces	12	14	68.0	+ 2.4	88	1	44	12	30	0.61	− 0.71	0.61	0.0	1	16	13	2	se.	G. H. Ritter.
Brownsville	Cameron	38	21	69.8	+ 1.6	93	1	46	3	36	0.23	− 1.10	0.13	0.0	3	.....	.....	.....	s.	U. S. Weather Bureau.
Brownwood	Brown	1,342	20	62.3	+ 5.7	90	5†	31	10	51	2.16	+ 0.65	1.05	0.0	5	23	5	3	s.	Mrs. Pearl Smith.
Cameron	Milam	.....	2	66.3	.....	93	22	38	11	40	2.35	.....	0.85	0.0	5	26	3	2	s.	J. E. Watts.
Carmona	Polk	330	2	64.6	.....	89	23	35	12†	44	1.13	.....	0.45	0.0	6	24	0	7	s.	M. S. Spitler.
Claytonville	Fisher	2,100	6	55.9	.....	85	2†	24	2	61	0.50	.....	0.25	0.0	3	20	0	11	s.	Wm. Lanius.
Coleman	Coleman	1,710	16	63.3	+ 4.9	87	1	37	9	40	0.65	− 0.72	0.60	0.0	2	20	7	4	s.	J. H. Tucker.
College Station	Brazos	308	19	66.6	+ 6.1	90	22	41	11	34	1.44	− 0.91	0.60	0.0	3	22	5	4	s.	Prof. C. S. Fraps.
Colorado	Mitchell	2,066	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. M. Webb.
Columbia	Brazoria	34	21	65.4	+ 2.9	87	22	44	16	36	1.15	− 2.00	1.06	0.0	2	22	6	3	s.	R. B. Loggins.
Columbus	Colorado	206	6	.....	.....	.....	.....	.....	.....	.....	1.00	.....	0.60	0.0	4	13	5	13	se.	Mrs. Sophie Bridge.
Comstock	Valverde	1,557	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. D. Brown.
Corpus Christi	Nueces	20	23	67.5	+ 3.1	87	1	48	13	27	2.06	+ 0.21	2.06	0.0	1	20	6	5	se.	U. S. Weather Bureau.
Corsicana	Navarro	445	21	63.8	+ 5.4	89	22	37	1†	41	2.29	− 0.85	1.70	0.0	5	22	1	8	se.	E. L. Gibson.
Crockett	Houston	350	6	65.9	.....	90	22	38	11	36	1.59	.....	1.11	0.0	3	24	2	5	s.	A. M. Rencher.
Cuero	DeWitt	177	21	66.8	+ 3.5	89	24†	42	1	42	1.55	− 0.59	1.35	0.0	3	20	0	11	s.	H. R. Frobese.
Dallas	Dallas	466	21	63.2	+ 6.5	93	22	34	11†	46	1.73	− 1.46	1.37	0.0	6	23	0	8	s.	G. A. Eisenlohr.
Danevang	Wharton	145	14	64.9[b]	+ 1.4	87	22	43[d]	2†	40[d]	1.20	− 1.75	0.80	0.0	2	23	5	3	se.	H. P. Hermansen.
Decatur	Wise	1,047	4	.....	.....	.....	.....	.....	.....	.....	0.22	.....	0.15	0.0	3	28	3	0	.....	Fort Worth & Denver Ry.
Del Rio	Valverde	952	4	67.2	+ 5.5	88	8	40	2	47	2.06	+ 0.38	1.20	0.0	4	15	8	8	se.	U. S. Weather Bureau.
Devine§	Medina	653	.....	68.4	.....	90	2	41	2†	49	0.75	.....	0.65	0.0	2	19	6	6	se.	M. A. Keller.
Dialville	Cherokee	575	12	65.8	.....	89	22†	37	11	34	2.60	− 0.44	1.05	0.0	4	21	6	4	s.	J. M. B. McKnight.
Dilley	Frio	569	.....	.....	.....	.....	.....	.....	.....	.....	1.50	.....	1.00	0.0	2	.....	.....	.....	.....	John W. Miller.
Dublin	Erath	1,466	15	63.5	+ 5.3	89	22†	35	11	38	2.00	+ 0.29	1.30	0.0	3	18	4	9	s.	Jno. O. Shafer.
Duval	Travis	820	21	65.8	+ 3.6	90	22	38	11	38	2.44	+ 0.36	1.57	0.0	6	19	4	8	s.	J. C. Edgar.
Eagle Pass	Maverick	800	21	66.0	+ 1.7	92	5†	43	11†	47	1.30	+ 0.17	0.50	0.0	4	3	23	5	.....	Jos. Metcalfe.
Edna	Jackson	71	1	.....	.....	.....	.....	.....	.....	.....	1.55	.....	1.25	0.0	2	.....	.....	.....	.....	E. L. Faires.
El Paso	El Paso	3,762	31	61.0	+ 5.1	86	25	36	27	42	T.	− 0.38	T.	0.0	0	19	11	1	e.	U. S. Weather Bureau.
Encinal	La Salle	558	2	69.4	.....	90	2†	41	2	49	0.78	.....	0.55	0.0	2	18	5	8	se.	H. C. Braden.
Fairland	Burnet	1,000	1	65.2	.....	91	22	35	11	46	5.32	.....	4.58	0.0	7	20	4	7	s.	R. L. Bush.
Falfurrias	Starr	.....	3	69.8	.....	95	1	37	3†	52	2.73	.....	2.00	0.0	3	24	2	5	se.	W. A. Gardner.
Flatonia	Fayette	465	2	67.5	.....	90	22	43	11	36	1.70	.....	1.52	0.0	2	17	7	7	s.	Fred W. Laux.
Flint	Smith	483	....	64.6	.....	89	23	37	11	43	2.23	.....	0.87	0.0	6	20	4	7	s.	F. C. C. Carter.
Fort Clark	Kinney	1,050	23	66.2	+ 2.9	86	7†	42	10	42	4.18	+ 3.04	3.00	0.0	3	15	10	6	se.	Post Hospital.
Fort McIntosh	Webb	460	24	71.5	+ 4.3	93	1	50	2†	41	1.02	+ 0.07	0.62	0.0	2	22	1	8	e.	Do
Fort Stockton	Pecos	3,050	13	63.4	+ 7.0	95	8†	35	12	52	0.17	− 0.48	0.15	0.0	2	13	15	3	se.	H. H. Butz.
Fort Worth	Tarrant	670	15	64.4	+ 7.8	90	22	37	11	39	1.02	− 0.74	0.91	0.0	5	20	4	7	s.	U. S. Weather Bureau.
Fredericksburg	Gillespie	1,742	21	63.0	+ 4.2	84	22	36	2	46	5.68	+ 3.99	4.02	0.0	4	17	11	3	s.	Arthur Striegler.
Gainesville	Cooke	738	21	63.2	+ 7.6	90	22	30	11	47	0.20	− 2.88	0.20	0.0	1	.....	.....	.....	.....	J. L. Hickson.
Galveston	Galveston	69	40	66.0	+ 3.7	80	14	49	11	23	1.48	− 1.42	1.44	0.0	2	19	9	3	se.	U. S. Weather Bureau.
Gatesville	Coryell	795	6	63.0	.....	87	22	34	11	43	3.20	.....	1.60	0.0	4	22	9	0	.....	John Ryan.
Georgetown	Williamson	750	15	63.6	+ 2.7	90	21†	33	1	42	0.50	− 1.80	0.31	0.0	3	24	5	2	s.	Prof. R. F. Young.
Gonzales	Gonzales	299	5	.....	.....	.....	.....	.....	.....	.....	1.39	.....	0.66	0.0	5	12	7	12	s.	J. M. Johnson.
Graham	Young	1,040	11	.....	.....	.....	.....	.....	.....	.....	0.20	− 1.35	0.20	0.0	1	.....	.....	.....	.....	C. W. Johnson.
Grand Saline	Van Zandt	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.16	.....	2.08	0.0	6	19	5	7	s.	F. E. Whittemore.
Grapevine	Tarrant	670	20	66.0[a]	+ 8.2	92[a]	21	35	11	39[a]	1.09	− 2.16	0.65	0.0	5	15[a]	5[a]	10[a]	s.	W. J. Crowley.
Greenville	Hunt	550	10	64.0	+ 5.1	91	22†	35	1	42	1.90	− 1.07	1.20	0.0	3	16	0	15	s.	J. P. Regan.
Hallettsville	Lavaca	235	19	64.8	+ 1.3	82	22	45	13	33	1.96	+ 0.01	1.76	0.0	2	20	6	5	s.	Dr. J. E. Lay.
Harper	Gillespie	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.20	.....	1.60	0.0	5	15	0	16	.....	Christian Fritz.
Haskell	Haskell	4,013	19	63.2	+ 8.4	94	8	30	11†	52	0.77	− 0.58	0.67	0.0	2	20	5	6	s.	P. D. Sanders.
Hebbronville	Duval	.....	3	.....	.....	.....	.....	.....	.....	.....	0.75	.....	0.60	0.0	3	.....	.....	.....	.....	Henry Edds.
Hempstead	Waller	254	6	.....	.....	.....	.....	.....	.....	.....	0.95	.....	0.70	0.0	2	8	4	19	s.	J. H. Hancock.
Henderson	Rusk	500	1	.....	.....	.....	.....	.....	.....	.....	1.84	.....	0.84	0.0	6	17	6	8	.....	M. Kangerga.
Hewitt	McLennan	664	15	.....	.....	.....	.....	.....	.....	.....	2.47	− 0.02	1.27	0.0	5	.....	.....	.....	.....	I. H. Earle.
Hillsboro	Hill	628	7	63.8	.....	96	23	36	11	47	4.13	.....	1.87	0.0	4	.....	.....	.....	.....	Thompson & Campbell.
Hondo	Medina	901	8	69.8	.....	87	24	45	1†	40	1.17	.....	1.17	0.0	2	14	13	4	.....	H. E. Haass.
Houston	Harris	138	21	67.2	+ 5.5	87	22	46	11	29	0.84	− 2.95	0.68	0.0	4	19	5	7	se.	U. S. Weather Bureau.
Huntsville	Walker	400	22	64.4	+ 3.7	86	22	39	12†	37	0.83	− 2.84	0.40	0.0	3	13	0	18	se.	W. Y. Barr.
Jewett	Leon	496	6	65.4	.....	93	23	32	1	48	1.40	.....	0.45	0.0	4	21	5	5	s.	Earle Adkisson.
Junction	Kimble	1,645	7	63.4	.....	88	6†	32	1	52	2.40	.....	2.00	0.0	2	22	0	9	.....	Judge John S. Durst.
Kaufman	Kaufman	448	11	64.9	+ 4.6	88	23	37	1†	40	2.44	− 1.20	0.80	0.0	4	22	2	7	s.	B. J. Hubbard.
Keene	Johnson	940	2	67.5[l]	.....	89[l]	6†	40	15	35[l]	1.96	.....	1.30	0.0	3	22	0	9	.....	Industrial Academy.
Kerrville	Kerr	1,650	15	64.8	+ 7.6	85	2†	25	2	60	6.17	+ 4.82	6.05	0.0	2	21	3	7	s.	Mrs. F. Coleman.
Knickerbocker	Tom Green	2,050	6	65.1[e]	.....	91[e]	8	33[e]	2†	54[e]	0.85	.....	0.40	0.0	4	15	13	3	s.	Jos. Tweedy.
Kopperl	Bosque	576	10	.....	.....	.....	.....	.....	.....	.....	3.08	− 0.71	2.20	0.0	5	15	5	11	s.	T. A. Johnson.
Lampasas	Lampasas	1,026	19	63.4	+ 3.6	89	5†	32	11	53	4.18	+ 2.41	3.73	0.0	4	20	3	8	s.	Mrs. K. I. Webber.
La Parra	Cameron	38	8	.....	.....	.....	.....	.....	.....	.....	1.03	.....	1.03	0.0	1	.....	.....	.....	.....	John G. Kennedy.
Laureles Ranch	Nueces	20	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Matt Cody.
Le Min Ranch	Terrell	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Lewis Le Min.
Liberty	Liberty	38	6	66.0	.....	91	22	40	12	41	0.94	.....	0.87	0.0	3	23	6	2	ne.	Mrs. Fannie Sneed.
Llano	Llano	1,040	19	65.2	+ 4.9	88	8†	36	11	47	4.14	+ 3.06	2.06	0.0	4	24	2	5	e.	E. W. Torrence.
Llano Grande	Hidalgo	86	2	65.9	.....	95	1	36	3†	53	0.50	.....	0.50	0.0	1	27	2	2	se.	M. D. Wardlow.
Long Lake	Anderson	229	5	.....	.....	.....	.....	.....	.....	.....	1.28	.....	0.72	0.0	4	17	3	11	s.	Tom Ritson.
Longview	Gregg	336	21	63.4	+ 5.3	88	23	38	11	35	1.67	− 2.89	0.82	0.0	3	23	1	7	ne.	C. A. Propst.
Lufkin	Angelina	325	3	64.8	.....	89	21†	38	12	41	1.06	.....	0.63	0.0	4	24	0	7	s.	T. A. King.
Luling	Caldwell	418	21	66.5	+ 5.0	87	22	42	11	36	1.40	− 0.27	0.60	0.0	4	14	3	14	s.	John Carter.
McGregor	McLennan	713	.....	.....	.....	.....	.....	.....	.....	.....	2.77	.....	1.94	0.0	5	16	9	6	n.	T. E. Streight.
Marathon	Brewster	4,043	....	59.0	.....	85	5	32	31	37	0.60	.....	0.30	T.	2	13	8	10	s.	Rev. A. P. Willis.

TABLE 1.—*Climatological data for March, 1910. District No. 8*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				Sky.				Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of rainy days .01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Texas—Cont'd.																				
Marble Falls	Burnet	771	2								4.02		3.74	0.0	4	14	4	13	sw.	Wm. Harrison.
Marfa	Presidio		2								0.10		0.10	0.0	1					R. K. Colquitt.
Marshall	Harrison	375	1	63.6		88	23	36	11	40	1.63		0.97	0.0	5	13	12	6	sw.	Lee Scott.
Mexia	Limestone	537	6	62.4		88	22	37	1†	41	2.09		0.85	0.0	6	11	11	9	s.	Miss Josephine Newman.
Midland	Midland		3								0.00		0.00	0.0	0	24	7	0	sw.	H. J. Elder.
Mont Belvieu§	Chambers	65									2.38		2.24	0.0	3	19	8	4	s.	A. R. Shearer.
Mt. Blanco	Crosby	2,750	22	58.2	+ 6.9	88	24†	24	11	50	0.45	− 0.13	0.20	0.0	3	12	10	9	s.	H. C. Smith.
Nacogdoches	Nacogdoches	271	11	63.1	+ 2.8	89	23	37	11†	45	0.89	− 3.39	0.42	0.0	3	17	2	12	s.	Miss Mary Hofmann.
New Braunfels	Comal	720	21	66.5	+ 5.4	87	22	42	11	38	0.19	− 1.54	0.11	0.0	2	10	17	4	s.	J. Giesecke.
Palestine	Anderson	510	28	65.6	+ 7.1	88	22	42	11	27	1.92	− 1.55	1.06	0.0	5	18	7	6	s.	U. S. Weather Bureau.
Panter	Hood	1,000	20								2.20	+ 0.14	1.00	0.0	5					E. H. Snider.
Pearsall	Frio	629									0.40		0.40	0.0	1					H. E. Walker.
Pierce	Wharton	102	4	61.0		83	22	40	13	39	1.17		0.67	0.0	2	18	7	6		R. B. Pointer.
Plainview	Hale	3,370	2	56.2		89	25	28	11	48	0.23		0.21	0.0	3	17	10	4	sw.	J. F. Sander.
Port Lavaca	Calhoun	20	9	68.6		91	22	43	13	40	1.64		1.18	0.0	2	21	6	4	s.	J. H. Bickford.
Ricardo	Nueces	57	1	69.4		91	1	40	13	44	1.35		1.25	0.0	2	21	6	4	se.	Lindsay Waters.
Riverside	Walker	169	6								0.77		0.41	0.0	2	21	0	10	s.	Mrs. C. W. Higdon.
Robert Lee	Coke	1,850	2	63.0		91	6†	33	10†	50	0.36		0.22	0.0	3	20	5	6	s.	H. D. Pearce.
Rockland	Tyler	136	6								0.87		0.87	0.0	1	16	1	14	s.	D. W. Bellamy.
Rossville	Atascosa	558	3	67.6		89	25	42	12	38	T.		T.	0.0	0	12	15	4	se.	W. F. M. Ross.
Runge	Karnes	308	15								2.69	+ 0.83	1.30	0.0	5					Reiffert & Frobese.
Sabinal	Uvalde	964	6	67.6		87	1†	43	13†	42	2.50		1.22	0.0	4	11	8	12	e.	Jas. Johnson.
San Angelo	Tom Green	1,847	2	63.4		91	8	36	11	48	1.18		0.98	0.0	2	16	11	4	s.	Sam Crowther.
San Antonio	Bexar	701	25	67.8	+ 5.7	86	2	43	11	35	0.42	− 1.26	0.23	0.0	3	14	11	6	sc.	U. S. Weather Bureau.
San Augustine	San Augustine	360	1	63.9[a]		89	22†	35[a]	12	44[a]	1.02		0.50	0.0	3	20	2	9		F. A. Wilson.
San Juanito§	Hidalgo		1	72.5		95	1	45	13	41	0.55		0.30	0.0	5	10	9	12	se.	J. B. McAllen.
San Marcos	Hays	588	17	65.0	+ 2.4	85	23†	42	13	38	1.10	+ 0.63	1.10	0.0	1	19	0	12	s.	Miss L. C. Ford.
San Saba	San Saba	1,712	6	63.2		91	20	30	11	50	4.77		2.48	0.0	6	21	0	10	s.	Jas. Burns.
Santa Gertrudes	Nueces		8								0.93		0.93	0.0	1					J. B. Wright jr.
Seymour	Baylor	1,180	4	61.8		91	5	25	11	52	0.98		0.56	0.0	5	21	6	4	s.	F. M. Deaver.
Somerville	Burleson	251	1																	W. A. Dolan.
Sonora	Sutton	2,200	7	61.6		88	8	27	2	58	1.10		0.90	0.0	3	8	22	1	s.	Mike Murphy.
Sugarland	Fort Bend	79	12	67.3		89	22†	45	12	36	1.23	− 2.34	1.08	0.0	3	23	6	2	s.	O. M. Bakke.
Taylor	Williamson	583	9	65.0	+ 5.3	88	22	37	11	36	2.31	− 0.31	1.66	0.0	6	18	8	5	s.	U. S. Weather Bureau.
Temple	Bell	630	16	67.4	+ 8.8	89	5†	35	11	45	2.64	+ 0.17	1.21	0.0	6	18	7	6	s.	H. D. Patterson.
Tilden	McMullen		4																	Wm. Kuykendall.
Tivoli	Refugio										1.55		1.55	0.0	1					W. H. Gisler.
Uvalde	Uvalde	937	2	67.7		89	2	42	13	45	2.68		1.60	0.0	6	11	13	7	se.	F. M. Getzendaner.
Valley Junction	Robertson	289	5								0.90		0.40	0.0	5	18	3	10	s.	T. M. Williams.
Victoria	Victoria	187	12	67.7	+ 5.0	88	14†	46	12†	38	2.71	+ 0.65	1.46	0.0	3	11	0	20	s.	C. C. Zirjacks.
Waco	McLennan	424	21	63.2	+ 3.3	88	22	38	11	36	3.54	+ 0.45	1.82	0.0	5	15	3	13	s.	E. H. Hall.
Waxahachie	Ellis	556	14	63.0	+ 5.1	92	22	34	11†	47	2.80	− 0.49	1.47	0.0	6	22	1	8	s.	C. D. Longserre.
Weatherford	Parker	864	21	63.6	+ 7.0	87	8†	33	11	41	1.03	− 1.30	0.70	0.0	2	21	2	8	n.	Miss J. Stickfort.
Wharton	Wharton	105	8	67.4		86	5†	44	12	37	1.61		1.11	0.0	3	14	0	17	sw.	Mrs. F. M. Hughs.
Wills Point	Van Zandt	524	5	61.5		87	22	31	1	42	2.30		1.33	0.0	4	21	1	9	s.	W. W. Gibbard.
Zapata	Zapata	300	1	72.2		94	1	45	3	45	1.49		1.26	0.0	5	14	9	8	se.	F. H. Earnest.

[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
* Precipitation included in that of the next measurement.
** Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.
† Also on other dates.
‡ Separate dates of falls not recorded.
§ Data are from standard instruments not supplied by the U. S. Weather Bureau.
§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
‖ Estimated by observer.
‖‖ Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for March, 1910. District No. 8, Texas and Rio Grande Valley.*

Stations.	River basins	Day of month. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Colorado.																																	
Blanca	Rio Grande	.02									T.					.01	.10										T.			.55			0.68
Cumbres	....do									T.						T.										T.	.33		T.	.98			1.31
Garnett	....do															.06														.21			0.27
Hermit	....do	.09														.19	.09		T.					T.		*	.41		*	.15			0.93
La Veta Pass	....do									*	.45					T.											T.		.80				1.25
Manassa	....do																										T.						T.
Platora	....do	T.									.03					.17	.12							.03			.29		.05	.03	T.		0.72
Saguache	....do																									T.	T.			.42			0.42
San Luis	....do	T.															.05												T.	.77			0.82
Wagon Wheel Gap	....do																									.30	.05	.05	.10				0.50
New Mexico.																																	
Agricultural College	Rio Grande										.33																						0.33
Alamogordo (near)	....do											.20								T.													0.20
Alamogordo	....do											.15																					0.15
Albuquerque	....do															.23	.01													.06			0.30
Ancho	....do																														T.		T.
Artesia	Pecos											.01																					0.01
Aspen Grove Ranch	Rio Grande									.21					.04	.25											.10			.19	.14		0.93
Bateman's Ranch	....do										T.					.15											T.		.08	.40			0.63
Bluewater	....do										T.					T.													T.	T.			T.
Bluewater Reservoir	....do																																
Boas	Pecos															.06																	0.06
Capitan	....do						T.				*	.10																		T.			0.10
Carlsbad	....do											.02	.02																				0.04
Carrizozo	Rio Grande																																0.00
Chama	....do															.09											.17		.12	.84			1.22
Cloudcroft	Pecos										.07		.23																T.				0.30
Corona	....do										.35																						0.35
Coyote	Rio Grande										.20																						0.20
Cundiyo	....do															*	.31												T.	.01			0.32
Demonstration Farm	Pecos															.15															.31		0.46
Duran	....do										T.																						T.
Edison Mine	Rio Grande																																
Elida	Pecos															.01																	0.01
Elk (near)	....do									T.	T.	T.							T.											T.			T.
Escondido	Rio Grande											.80							T.														0.80
Espanola	....do																																
Estancia	....do										T.				.14						T.									T.			0.14
Fort Stanton	Pecos										.20	.15			T.	T.																	0.35
Fort Sumner	....do															.33																	0.33
Gallinas	....do										.30																						0.30
Gallinas Pltg. Station	....do									T.	.08					.41											T.		T.	T.	.16		0.65
Harvey's Upper Ranch	....do									.13						.57	T.	T.		T.	T.			T.			T.		.11	.16	.21		1.18
Hillsboro	Rio Grande																																
Hodges	....do															.07										T.	.05		*	.40	.08		0.60
Hondo Reservoir	Pecos											.26				T.																	0.26
Hope	....do																																
Hopewell	Rio Grande	T.									.01					.63											.15		T.	.27	.10		1.16
Jemes Springs	....do																																
Laguna	....do										T.				T.	T.														.09			0.09
Lagunita	Pecos															*	.13		T.														0.31
Lake Valley	Rio Grande										T.	.01														T.					T.		0.01
Las Vegas	Pecos															.17	.10													T.	.30	.02	0.61
Liston	....do															*	.20																0.20
Los Lunas (near)	Rio Grande																																
Los Tanos	Pecos															*	.25																0.25
Magdalena	Rio Grande										.05				T.	T.										T.			T.	T.	.09		0.14
Malaga	Pecos																																
Mineral Hill	....do															.20															.03		0.23
Monterey	Rio Grande											.40																					0.40
Monument	Pecos																																
Mountainair	Rio Grande															T.	.21			.04							.02		T.				0.27
Newman	....do										T.	T.							T.														T.
Noria	....do										T.								T.														T.
Orange	....do																																0.00
Orogrande	....do											.01																					0.01
Oscura	....do										T.																						T.
Otis	Pecos											.05	.02		T.					T.	.16											T.	0.24
Otto	Rio Grande															.28																.10	0.38
Pastura	Pecos															.25																	0.25
Picacho (near)	....do																																
Red River Canyon	Rio Grande									T.							.32												30	*	.50			1.12
Rincon	....do											T.																				T.		T.
Rio Grande Dam	....do									T.	T.	T.											T.								.15			0.15
Rosedale	....do										.34				T.	.01	T.	T.	T.	.01							T.		.01	T.	.11	.01		0.49
Roswell	Pecos											.05																						0.05
San Marcial	Rio Grande										.01																							0.01
San Rafael	....do																																
Santa Fe	....do														T.	.53					T.						.01		.01	T.	T.			0.55
Santa Fe Canyon	....do																																
Santa Rosa	Pecos															.03	.24				T.										T.			0.27
Socorro	Rio Grande														.05																			0.05
Stanley	....do															.25																T.	.13	0.38
Strauss	....do											.05							.26	T.														0.31
Swastika Ranch	....do										.31				T.	.06	T.	T.		T.						T.			T.	.01	T.	.10		0.48
Taft	Pecos														T.	.18																		0.18
Taos	Rio Grande															.15											T.		.04	.08				0.27
Taos Canyon	....do	T.									.12					T.	.10				T.						.17		T.	.32	.08			0.79
Tecolote	....do										.33					.09																		0.42
Three Rivers	....do											.09				T.					T.									T.				0.09
Torrance	Pecos										.10					T.																		0.10
Tres Piedras	Rio Grande									.50						.10										.10		T.						0.70
Truchas	....do															.40														.10	T.			0.50
Tularosa	....do											.31	T.																					0.31
Vaughn	Pecos																																	0.00
Winsors	....do															.40														.19				0.59
Texas.																																	
Abilene	Brazos										.17						.11													T.			.03	0.31
Albany	....do									T.						.53															T.			0.53
Alvin‖	Coast										*	2.57						.02																2.59
Anahuac	....do										1.12							.04																1.16
Austin	Colorado										.07							.34														22	.01	2.32	2.96
Ballinger‖	....do										T.						T.	T.													T.		.26	0.26
Barstow	Pecos											T.	.20						T.							T.							T.	0.20

TABLE 2.—*Daily precipitation for March, 1910. District No. 8*—Continued.

Stations.	River basins.	Day of month.																													Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Texas—Cont'd.																																	
Bay City	Colorado											.88																					0.88
Beaumont	Neches				.04							.70						T.	.68													.17	1.59
Beeville	Coast											T.																			4.10	4.10
Big Springs	Colorado															T.				.28											T.	0.28
Blanco	Guadalupe											.04					T.	.17												.08	.91	1.20
Boerne	San Antonio										.50																			T.	2.80	.40	3.70
Booth	Brazos										.28	.85							.02													.58	1.73
Bowie	Trinity																	.08										.06	.02				0.16
Brazoria	Brazos																																
Brazos	do																T.	.13														.45	0.58
Brenham	do										.36	.05						.08	.09	T.	T.									T.	.12	0.70
Bridgeport	Trinity																																
Brighton	Coast										T.	T.																				.61	0.61
Brownsville	Rio Grande											.10	.03							.03										T.	.07	0.23
Brownwood	Colorado									.03								.05										.03	T.	1.05	1.00	2.16
Cameron	Brazos										.70	.08						.58	.14													.85	2.35
Carmona	Neches										.32							.01	.05	.45											.22	.08	1.13
Claytonville	Brazos									.20							.05													.25			0.50
Coleman	Colorado																.05													T.	T.	.60	0.65
College Station	Brazos										.41							.43														.60	1.44
Colorado	Colorado																																
Columbia	Brazos										1.06																		T.			.09	1.15
Columbus	Colorado										.18	.16						T.	.06		T.											.60	1.00
Comstock	Rio Grande																																
Corpus Christi	Coast																			T.											T.	2.06	2.06
Corsicana	Trinity										.10							.03	.16												.30	1.70	2.29
Crockett	do										.36							.12	T.												T.	1.11	1.59
Cuero	Guadalupe											.07	.13																			1.35	1.55
Dallas	Trinity										.06							.08	.04											.02	.16	1.37	1.78
Danevang	Coast										.80																					.40	1.20
Decatur	Trinity																													.05	.15	.02	0.22
Del Rio	Rio Grande									T.		.02								.64								T.			.96	.44	2.06
Devine	Nueces											.10																		T.	T.	.65	0.75
Dialville	Neches										.95						T.	T.		T.							.15			T.	1.05	.45	2.60
Dilley	Nueces																													1.00	.50		1.50
Dublin	Brazos										.33							.37												T.		1.30	2.00
Duval	Colorado								.08								T.	.39		.04										.30	.06	1.57	2.44
Eagle Pass	Rio Grande																		.30	.20											.40	.40	1.30
Edna	Lavaca					.30				T.														T.								1.25	1.55
El Paso	Rio Grande											T.								T.													T.
Encinal	Nueces																			.55												.23	0.78
Fairland	Colorado									.32	.03						.07	.03												.02	4.58	.27	5.32
Falfurrias	Coast											T.	.03	T.						T.	2.00											.70	2.73
Flatonia	Guadalupe										.18							T.														1.52	1.70
Flint	Neches										.87							.19	.27	.07										T.	.40	.34	2.23
Fort Clark	Rio Grande											T.								.67										T.	3.00	.51	4.18
Fort McIntosh	do																			.62	.40												1.02
Fort Stockton	Pecos										T.	.15							T.	T.												.02	0.17
Fort Worth	Trinity									T.								.08	.01	T.	T.							T.		.01	.77	.15	1.02
Fredricksburg	Colorado										.13										.01									T.	4.02	1.52	5.68
Gainesville	Trinity																													.20			0.20
Galveston	Coast										1.44						T.	.04															1.48
Gatesville	Brazos										.10							.30													1.60	1.20	3.20
Georgetown	do											.04																			.15	.31	0.50
Gonzales	Guadalupe										.33							.12	.20		.08											.66	1.39
Graham	Brazos																.20													T.		T.	0.20
Grand Saline	Sabine									.45	T.						T.	.13	T.	.10		.19								T.	2.08	.21	3.16
Grapevine	Trinity										T.							.11			.03									.13	.65	.17	1.09
Greenville	Sabine										.25							T.													.45	1.20	1.90
Hallettsville	Lavaca										.20							T.												T.		1.76	1.96
Harper	Colorado											.04							.01											.01	1.60	1.54	3.20
Haskell	Brazos																.67													.10			0.77
Hebbronville	Coast																				.60										.10	.05	0.75
Hempstead	Brazos											.70	T.					T.		T.	T.											.25	0.95
Henderson	Neches										.84							.07	.23	.03											.55	.12	1.84
Hewitt	Brazos										.25						T.	.13												.04	1.27	.78	2.47
Hillsboro	do										.89																			.74	1.87	.63	4.13
Hondo	Nueces										T.																				.37	.80	1.17
Houston	Coast										.68							.05			T.										.05	.06	0.84
Huntsville	Trinity										.40							.28	T.													.15	0.83
Jewett	do									.17								.35	T.											T.	.45	.43	1.40
Junction	Colorado																T.														.40	2.00	2.40
Kaufman	Trinity										.80							T.												.25	.75	.64	2.44
Keene	Brazos													.06																	.60	1.30	1.96
Kerrville	Guadalupe																														.12	6.05	6.17
Knickerbocker	Colorado									T.			.34				T.	.03	T.											.08		.40	0.85
Kopperl	Brazos										.38	.08						.10	T.			T.									.32	2.20	3.08
Lampasas	do										.03						.27													.15		3.73	4.18
La Parra	Coast																															1.03	1.03
Laureles Ranch	do																																
Le Min Ranch	Pecos																																
Liberty	Trinity										.80	.07						T.	.07				T.										0.94
Llano	Colorado									.04	T.						T.													.01	2.03	2.06	4.14
Llano Grande	Rio Grande											T.																				.50	0.50
Long Lake	Trinity										.38	T.						.02	.16	T.												.72	1.28
Longview	Sabine										.82								.04													.81	1.67
Lufkin	Neches										.63							.02	.38													.03	1.06
Luling	Guadalupe											.34									.30											.16	.60	1.40
McGregor	Brazos									.21	T.						.17													.16	1.94	.29	2.77
Marathon	Rio Grande														T.					.30												.30	0.60
Marble Falls	Colorado										T.	.04						.10			T.									.14	3.74	4.02
Marfa	Rio Grande																										.10						0.10
Marshall	Sabine										.97							.01	.19	.06												.40	1.63
Mexia	Brazos										.85	.03						.21	.12												.08	.80	2.09
Midland	Colorado																																0.00
Mont Belvieu	Coast	T.									2.24							.06														.08	2.38
Mt. Blanco	Brazos										T.						.20			.05										.20			0.45
Nacogdoches	Neches										.42							T.	T.	.39												.08	0.89
New Braunfels	Guadalupe										T.									.08										T.		.11	0.19
Palestine	Trinity	T.								T.	.61						T.	.13	T.	T.		.01									.27	.90	1.92
Panter	Brazos									.05								.21	.02												1.00	.92	2.20
Pearsall	Nueces																												T.			.40	0.40
Pierce	Colorado										.67																					.50	1.17
Plainview	Brazos																.21		.01	T.										.01			0.23

TABLE 2.—*Daily precipitation for March, 1910. District No. 8*—Continued.

Stations.	River basins.	Day of month. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Texas—Cont'd.																																	
Port Lavaca	Coast									T.	.46																			T.	T.	1.18	1.64
Ricardo	...do																			T.	.10											1.25	1.35
Riverside‖	Trinity										.36							.41	T.													T.	0.77
Robert Lee‖	Colorado										.22							.10												.04			0.36
Rockland‖	Neches										.87	T.																					0.87
Rossville	Nueces				T.	T.					T.																			T.	T.		T.
Runge	San Antonio	.50					.66			.18																					1.30	.05	2.69
Sabinal	Nueces										.60	.12																			1.22	.56	2.50
San Angelo	Colorado																.20															.98	1.18
San Antonio	San Antonio										.19						T.				T.									T.	.07	.16	0.42
San Augustine	Neches	T.									.50							T.	.02													.50	1.02
San Juanito	Coast											.02	.07							.30	.08										T.	.08	0.55
San Marcos‖	Guadalupe																															1.10	1.10
San Saba	Colorado										.15						.14	.19												.04	2.48	1.77	4.77
Santa Gertrudes‖	Coast																															.93	0.93
Seymour	Brazos									T.	.08						.56	.12	.15											.07		T.	0.98
Somerville	...do																																
Sonora	Rio Grande												.10																	.10	T.	.90	1.10
Sugarland	Brazos										1.08							T.	.05	.10													1.23
Taylor	...do										.21						.02	.15												.27	.25	1.41	2.31
Temple‖	Brazos										.51						.49	.10				T.								.12	1.21	.21	2.64
Tilden	Nueces																																
Tivoli	Guadalupe																															1.55	1.55
Uvalde	Nueces										.41	.21						T.		.16										.04	1.60	.26	2.68
Valley Junction‖	Brazos																	.20	.20			.10										.20	.20	0.90
Victoria‖	Guadalupe									.30										1.46													.95	2.71
Waco‖	Brazos										1.36							.16	.20													.12	1.70	3.54
Waxahachie‖	Trinity									.48								.04	.03			T.								.36	1.47	.42	2.80
Weatherford‖	...do										T.							.33															.70	1.03
Wharton‖	Colorado											1.11									.23												.27	1.61
Wills Point	Sabine										.46						T.	.09		T.										T.	1.33	.42	2.30
Zapata	Rio Grande											.12	.05			T.				1.26	.04												.02	1.49

TABLE 3.—*Maximum and minimum temperatures at selected stations, March, 1910. District No. 8, Texas and Rio Grande Valley.*

Date.	Colorado.				New Mexico.																Texas.							
	Garnett.		San Luis.		Agricultural College.		Carlsbad.		Fort Stanton.		Mountainair.		Rosedale.		Roswell.		Santa Fe.		Santa Rosa.		Abilene.		Big Springs.		Brownsville.		Corpus Christi.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1...	54	21	54	20	76	44	80	38	75	32	71	35	67	33	78	39	59	32	75	31	76	47	76	42	93	61	87	62
2...	57	24	60	23	79	32	87	32	74	27	70	33	65	36	82	32	60	32	75	40	84	45	80	41	85	56	78	57
3...	58	25	62	24	81	42	85	44	76	29	72	34	66	36	81	40	62	31	77	32	86	52	88	41	82	46	68	55
4...	60	24	65	24	83	39	88	40	78	26	74	31	68	37	85	37	64	34	80	30	84	51	91	41	80	48	71	61
5...	66	21	64	26	83	38	89	34	78	25	72	35	72	41	87	34	69	36	83	32	87	55	88	42	82	57	70	63
6...	65	21	65	25	85	38	93	36	75	25	69	39	72	42	86	37	68	36	72	39	87	55	91	47	83	60	76	63
7...	64	21	63	31	83	48	78	38	76	26	71	27	69	39	75	35	66	31	79	28	82	40	80	41	82	52	78	58
8...	58	25	57	24	78	47	85	40	69	35	65	40	66	45	80	39	61	37	76	36	90	59	90	50	80	58	78	60
9...	51	26	53	22	79	42	81	46	66	27	64	30	66	47	69	38	59	30	68	31	61	41	65	50	80	66	75	66
10...	51	16	54	18	60	45	75	45	50	29	61	25	58	28	57	39	48	27	75	34	55	37	58	37	82	62	72	53
11...	56	21	58	19	58	42	59	40	51	30	58	29	49	29	53	36	56	25	66	24	66	33	68	31	65	55	61	52
12...	58	16	60	20	66	37	68	32	62	18	55	22	55	30	67	28	58	29	71	25	73	41	75	36	75	48	68	50
13...	60	21	66	20	69	40	73	35	65	23	64	24	57	32	74	32	62	28	75	28	77	44	78	35	78	48	75	48
14...	60	22	59	24	75	41	76	42	64	25	66	29	57	35	76	36	59	39	72	30	77	44	77	39	84	50	72	52
15...	54	27	52	25	75	46	78	47	66	32	62	28	61	37	72	43	47	35	61	42	73	48	80	42	81	58	70	57
16...	56	22	58	24	73	44	75	48	68	.....	59	35	60	30	70	43	56	32	67	37	61	52	75	52	78	56	70	65
17...	62	25	62	25	77	45	76	40	71	25	61	39	64	35	77	36	60	33	75	32	64	50	75	47	78	65	71	66
18...	62	23	65	23	78	43	82	40	71	30	55	29	64	38	79	39	63	36	80	31	78	49	84	48	79	63	72	66
19...	65	25	66	21	75	49	82	44	69	31	74	34	65	36	80	45	65	35	.....	39	79	55	80	55	80	64	70	66
20...	65	25	65	25	77	45	77	42	70	.....	73	35	66	37	77	42	63	40	.....	38	80	50	80	46	74	60	72	65
21...	66	23	68	27	75	46	78	41	71	27	72	50	63	36	76	40	64	41	.....	36	84	52	83	46	80	57	78	59
22...	65	24	64	27	80	44	82	38	76	26	72	30	68	40	80	38	65	37	.....	36	85	55	83	52	83	52	79	54
23...	62	32	60	40	81	46	82	44	74	40	74	41	67	46	88	45	66	39	81	44	85	55	87	57	83	59	80	58
24...	65	21	61	26	81	47	89	49	76	33	73	35	70	48	86	44	62	33	79	45	89	59	92	59	82	66	77	66
25...	56	19	61	26	85	46	92	47	78	31	77	38	70	42	89	43	63	42	81	45	87	60	90	58	83	62	78	65
26...	46	22	51	30	65	53	90	60	69	42	65	41	62	35	76	53	55	32	72	50	82	59	86	63	82	63	76	65
27...	57	18	59	20	75	32	84	40	72	25	70	25	63	25	80	34	60	25	72	34	83	60	84	48	81	65	74	68
28...	58	23	59	28	75	39	89	50	69	28	66	35	58	32	82	43	60	25	80	34	77	61	75	59	81	66	74	68
29...	42	23	41	29	64	35	85	45	55	31	53	27	48	27	66	37	38	24	82	34	78	59	73	49	81	68	76	70
30...	45	16	45	11	55	36	70	37	50	28	48	23	42	24	64	33	42	24	57	27	62	45	68	40	82	70	74	70
31...	52	15	55	12	65	37	69	38	55	21	56	21	51	23	67	30	51	29	67	27	60	41	63	41	81	70	72	65
Mns	57.9	22.2	59.1	23.5	74.5	42.0	80.9	41.7	68.4	28.7	65.9	32.2	62.2	35.5	76.1	38.4	59.1	32.4	74.0	34.5	77.2	50.1	79.5	46.3	80.6	59.1	73.9	61.6

Texas.

Date.	Del Rio.		El Paso.		Fort McIntosh.		Fort Stockton.		Fort Worth.		Galveston.		Hallettsville.		Houston.		Lufkin.		Palestine.		Plainview.		San Antonio.		Seymour.		Taylor.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1...	87	46	76	49	93	60	80	41	75	52	72	56	80	54	78	54	79	51	72	51	70	25	84	57	77	44	81	53
2...	87	40	80	41	91	50	91	40	80	41	70	59	78	48	80	53	77	43	76	52	81	33	86	51	87	35	81	45
3...	87	46	82	44	91	50	87	46	83	54	70	59	75	47	77	54	82	45	79	55	81	40	82	50	84	45	81	48
4...	84	50	83	46	89	60	91	44	82	55	72	60	75	48	79	53	83	47	79	56	86	38	79	53	87	42	79	50
5...	84	53	84	42	89	60	94	48	82	54	73	61	74	58	80	56	80	47	76	55	87	42	81	57	91	45	79	52
6...	86	55	85	46	90	60	93	41	80	56	74	62	78	60	83	59	82	55	82	57	73	43	83	62	80	52	83	59
7...	86	55	85	52	90	58	80	45	78	47	72	59	79	59	81	56	85	53	82	57	77	30	84	55	77	37	84	53
8...	88	54	79	53	91	58	95	49	86	58	72	62	76	56	80	54	83	54	80	56	76	38	84	51	80	46	82	51
9...	78	58	76	54	80	60	80	45	74	49	71	64	76	55	80	68	80	62	77	62	64	38	82	61	62	48	79	59
10...	67	53	62	44	84	60	69	40	58	40	66	51	55	49	68	50	75	47	68	45	53	34	68	46	57	37	67	41
11...	66	52	61	44	68	50	51	45	67	37	63	49	64	47	67	46	65	39	62	42	69	28	68	43	72	25	64	37
12...	76	53	66	38	83	50	63	35	80	47	69	56	70	47	76	48	70	38	75	52	73	30	75	50	78	35	77	41
13...	80	46	71	41	84	50	78	39	81	51	74	54	77	45	80	52	83	42	80	56	75	34	79	50	81	35	81	45
14...	85	52	74	43	88	55	80	42	75	52	80	57	80	47	84	55	76	49	74	55	67	36	85	51	73	45	82	50
15...	82	61	76	52	86	55	84	50	68	46	65	58	70	61	67	52	68	45	65	46	69	32	76	58	72	38	72	51
16...	80	60	74	48	87	55	77	48	62	48	64	58	68	50	68	48	67	46	64	44	62	41	75	54	61	45	68	46
17...	80	60	77	50	89	60	76	40	55	50	63	59	69	57	62	55	68	50	56	51	74	36	77	58	61	49	62	52
18...	75	59	76	50	86	60	80	54	67	51	68	61	74	57	76	58	72	49	71	52	74	40	80	61	70	47	79	55
19...	70	58	72	54	85	60	77	55	80	57	68	61	80	57	75	57	78	48	76	55	74	46	77	59	80	52	76	57
20...	78	57	74	46	77	55	75	42	83	54	72	61	78	55	80	56	82	54	81	59	79	43	80	57	83	51	80	63
21...	82	51	74	45	84	50	82	43	87	58	77	61	81	52	83	58	89	53	85	62	77	43	84	57	88	53	85	54
22...	84	50	81	51	86	55	85	40	90	57	76	62	82	55	87	58	89	53	88	61	79	40	85	58	87	52	88	66
23...	85	51	82	56	87	55	92	43	88	58	72	64	81	53	86	58	87	53	86	64	84	45	84	59	84	51	84	58
24...	87	58	81	51	91	60	95	54	85	60	72	63	78	58	83	61	84	50	82	57	87	45	85	61	90	49	83	56
25	86	62	86	54	89	60	95	57	85	60	74	65	74	52	83	58	84	56	83	56	89	48	84	58	89	57	83	53
26...	83	80	70	50	88	60	94	60	82	56	73	66	78	60	84	61	85	56	84	59	85	45	83	59	85	56	83	60
27...	82	61	77	36	86	60	85	44	81	59	74	66	75	61	80	60	85	57	83	60	79	35	82	63	85	50	82	60
28...	77	64	77	45	86	60	85	58	78	61	72	67	76	61	78	64	82	54	81	60	72	40	81	60	81	59	81	58
29...	84	65	64	41	87	60	75	43	67	60	75	68	74	68	79	67	75	65	77	66	70	35	77	66	77	53	77	60
30...	65	50	62	38	86	60	71	39	61	48	73	68	76	59	80	61	81	59	74	52	61	33	78	54	66	43	72	47
31...	55	50	64	45	78	50	59	39	58	49	73	65	69	59	74	60	69	56	62	54	63	30	64	54	67	35	60	51
Mns	79.9	54.5	75.2	46.7	86.4	56.6	81.3	45.5	76.4	52.4	71.3	60.7	74.8	54.7	78.0	56.3	78.9	50.6	76.1	55.1	74.5	37.9	79.7	55.9	78.1	45.5	77.9	52.0